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II. Reichert, H.
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V. Title: Analysis ...

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Communication No 2. The Influence of Chemical
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Trans. of Faserforschung und Textiltechnik (East
Germany) 1962, v. 13, no. 9, p. 385-392.

DESCRIPTORS: *Rayon, *Viscose, Additives, *Sodium
compounds, Thio radicals, *Carbonates, *Sulfides,
*Ethylenes, Glycols, *Amines, *Zinc compounds.

Investigations were aimed at clarifying the question,
whether and to which extent the reaction between the
viscose by-products, trithiocarbonate and sulfide, and
(Materials--Textiles, TT, v. 10, no. 11) (over)

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Order from SLA \$1. 60

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v. 8, no. 7, p. 251-256.

DESCRIPTORS: *Wood pulp, *Viscose, *Fibers,
Molecular structure, Reaction kinetics, *Cellulose,
Chemical reactions, Fibre studies.

Some investigations on the reactivity of chemical pulps
are reported which aimed first at the solution of the
problem concerning the relationship between super-
molecular fiber structure, reaction kinetics and
processability during the viscose process, and second,
to give some suggestions and indications for the
laboratory tests of the processability in the producing
or converting industry. (Author)
(Materials--Paper, TT, v. 10, no. 11)

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Trans. of Faserforschung und Textiltechnik (Germany)
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DESCRIPTORS: *Xanthic acids, Decomposition, Re-
action kinetics, Textiles.

The course of decomposition of xanthates of mono- and
polyhydric alcohols (ethanol, 1-4-butanediol, 1-3-
butanediol, ethylene glycol, glycerine) as well as of
monomeric sugars (glucose, xylose) in aqueous solution
was investigated in a wide pH-range (pH 4.6 to 7 n
NaOH), and compared with the process of decomposi-
tion of dilute solutions of pure cellulose xanthate. Con-
sidering earlier results of our own investigation as
well as the work published by other authors, the mech-
anism of decomposition is discussed for the various
(over)

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